

Converting Colors

$Yxy(57.7937, 0.3127, 0.4772)$

Have a look what the booklet for
Yxy(57.7937, 0.3127, 0.4772)
contains.

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Color

Yxy(57.9924, 0.3128, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	7FDE73
RGB	127, 222, 115
RGB Percent	50%, 87%, 45%
CMY	0.5021, 0.1294, 0.5490
CMYK	0.43, 0.00, 0.48, 0.13
HSL	113°, 62%, 66%
HSV	113°, 48%, 87%
XYZ	37.9657, 57.9924, 25.4157
YIQ	181.3970, -22.2730, -53.4170

Conversions

Conversions Part 2

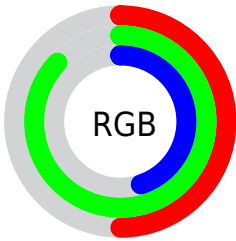
Format	Color
RYB	115, 222, 210
Decimal	8380019
CIELab	80.73, -48.73, 43.64
CIELCh	81, 65.413, 138.152
Yxy	57.9924, 0.3128, 0.4778
Android (android.graphics.Color)	4286570099 (0xFF7FDE73)
YUV	181.3970, -32.7337, -47.7062
Hunter-Lab	76.1527, -44.2767, 33.5191

Details

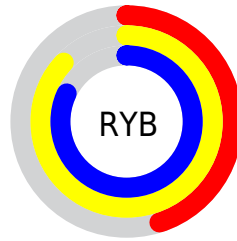
The Yxy color **57.9924, 0.3128, 0.4778** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.2478, 0.3063, 0.2085**, and the grayscale version is **46.6229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5749, 0.3169, 0.4275**, and **28.9447, 0.3075, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **56.1753, 0.3116, 0.5120**, and if you desaturate by 10%, it is **60.2337, 0.3135, 0.4429**.

Distribution



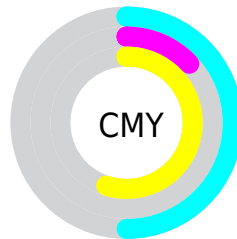
- Red (50%)
- Green (87%)
- Blue (45%)



- Red (45%)
- Yellow (87%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)




- Cyan (50%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9924, 0.3128, 0.4778 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 57.9924, 0.3128, 0.4778 by changing the saturation by 10% instead.

 57.9924, 0.3128,
0.4778


 57.9924, 0.3128,
0.4778


417.1576, 0.3163,
0.4014


 41.8025, 0.3107,
0.4971

 101.9118, 0.3150,
0.4498

 28.9467, 0.3074,
0.5217


 130.4101, 0.3155,
0.4393

 19.0405, 0.3017,
0.5540


 163.7800, 0.3159,
0.4305

 11.6996, 0.2917,
0.5977

202.4060, 0.3161,
0.4230

 6.5394, 0.2735,
0.6605

246.6723, 0.3162,
0.4165

 3.1758, 0.2397,
0.7603

296.9634, 0.3163,

 1.2242, 0.0000,

0.4108

1.0000

353.6637, 0.3163,
0.4058

■ 0.0813, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9924, 0.3128,
0.4778

■ 57.9924, 0.3128,
0.4778

■ 56.1753, 0.3116,
0.5120

■ 60.2337, 0.3135,
0.4429

■ 54.7488, 0.3098,
0.5432

■ 62.9160, 0.3137,
0.4092


■ 53.6859, 0.3076,
0.5687


■ 66.0638, 0.3136,
0.3780

■ 52.9530, 0.3051,
0.5867

■ 69.6980, 0.3132,
0.3497

 52.5077, 0.3027,
0.5968

 73.8380, 0.3126,
0.3247

 52.4511, 0.3024,
0.5981

 78.5021, 0.3119,
0.3028

 80.7267, 0.3142,
0.2970

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.9924, 0.3919, 0.4792



57.9924, 0.3128, 0.4778



57.9924, 0.2379, 0.4127

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.9924, 0.3128, 0.4778



57.9924, 0.1815, 0.2107



57.9924, 0.4537, 0.3146

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.9924, 0.3128, 0.4778



31.2478, 0.3063, 0.2085

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.9924, 0.3807, 0.2609



57.9924, 0.3128, 0.4778



57.9924, 0.2232, 0.2035

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.9924, 0.3128, 0.4778



57.9924, 0.1692, 0.2481



57.9924, 0.2935, 0.2217



57.9924, 0.4803, 0.3749

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9924, 0.3128, 0.4778



57.9924, 0.2007, 0.3504



57.9924, 0.2935, 0.2217



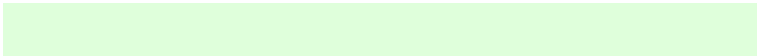
57.9924, 0.4333, 0.2956

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.9949, 0.3128, 0.4778



92.3844, 0.3134, 0.3661



62.6281, 0.3896, 0.4345



19.5489, 0.3135, 0.3723



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.9949, 0.3128, 0.4778



76.8414, 0.3115, 0.5129



58.2938, 0.2838, 0.4220



15.4102, 0.3132, 0.3531



31.1763, 0.3029, 0.5977



2.1858, 0.3098, 0.5923

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.2478, 0.3063, 0.2085



36.0145, 0.3040, 0.1864



31.1315, 0.3623, 0.2529



13.8538, 0.3120, 0.3058



10.2288, 0.2930, 0.1388



0.7315, 0.2976, 0.1413

Previews

White Background



This preview shows how the Yxy color 57.9924, 0.3128, 0.4778 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 57.9924, 0.3128, 0.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9924, 0.3128, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 57.9924, 0.3128, 0.4778.

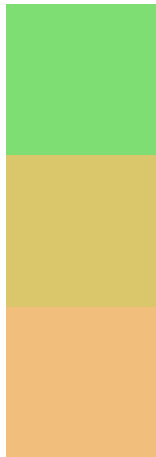


This preview shows how white text looks on a background with the Yxy color 57.9924, 0.3128, 0.4778.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57.9924, 0.3128, 0.4778

Protanopia

56.9685, 0.3979, 0.4335

Deuteranopia

56.9577, 0.4106, 0.4014



Tritanopia

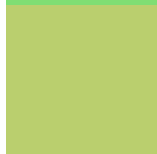
57.8801, 0.2614, 0.3088

Trichromacy



Original Color

57.9924, 0.3128, 0.4778



Protanomaly

56.1905, 0.3637, 0.4503



Deuteranomaly

55.8765, 0.3712, 0.4291



Tritanomaly

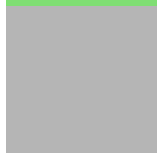
57.2138, 0.2801, 0.3664

Monochromacy



Original Color

57.9924, 0.3128, 0.4778



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.4912, 0.3133, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9924, 0.3128, 0.4778 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 222, 115)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 222, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 115) }
```

Border

The CSS property to change the border of an element to Yxy 57.9924, 0.3128, 0.4778 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 222, 115) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(127, 222, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(127, 222, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 222, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 222, 115);  
box-shadow:4px 4px 4px 4px rgb(127, 222,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9924, 0.3128, 0.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
222, 115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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